

**Table 5.2.3-4 Wetlands Within Analog Impact Zones Resulting from Potential Changes in Hydrology**

**Likelihood of Wetland Hydrology Effect**

Based on Wetland Type for Each Analog Distance	Wetland Area (acres) within each Analog Increment				Eggers and Reed Wetland Community
	0-1,000 ft	1,000- 2,000 ft	2,000- 3,500 ft	3,500- 10,000 ft	
0 – 1,000 ft					
High Likelihood	46.4	-	-	-	Coniferous swamp, sedge meadow, and alder thicket
Moderate Likelihood	8.3	-	-	-	Deep marsh and shallow marsh
Low Likelihood	178.8	-	-	-	Minerotrophic and ombrotrophic coniferous bog
No Effect	-	-	-	-	No wetland types
1,000 – 2,000 ft					
Moderate Likelihood	-	110.8	-	-	Coniferous swamp, hardwood swamp, shrub-carr, and alder thicket
Low Likelihood	-	4.1	-	-	Shallow marsh
No Effect	-	196.1	-	-	Minerotrophic and ombrotrophic coniferous bog and open bog
2,000 – 3,500 ft					
Low Likelihood	-	-	385.0	-	Coniferous swamp, hardwood swamp, sedge/wet meadow, shrub-carr, and alder thicket
No Effect	-	-	333.0	-	Shallow marsh and minerotrophic and ombrotrophic coniferous bog and open bog
3,500 – 10,000 ft					
No Effect	-	-	-	4,564.4	All wetland types
Total Acres of Wetland	233.5	311.0	718.0	4,564.4	

Source: PolyMet 2015b.

**Table 5.2.3-3 Wetlands Crossing Analog Impact Zones Resulting from Potential Changes in Hydrology**

**Likelihood of Wetland Hydrology Effect**

Based on Wetland Type for Each Analog Distance	Wetland Area (acres) within each Analog Increment				Eggers and Reed Wetland Community
	0-1,000 ft	1,000- 2,000 ft	2,000- 3,500 ft	3,500- 10,000 ft	
0 – 1,000 ft					
High Likelihood	866.9	-	-	-	Coniferous swamp, sedge meadow, and alder thicket
Moderate Likelihood	8.3	-	-	-	Deep marsh and shallow marsh
Low Likelihood	452.8	-	-	-	Minerotrophic and ombrotrophic coniferous bog
No Effect	-	-	-	-	No wetland types
1,000 – 2,000 ft					
Moderate Likelihood	-	522.4	-	-	Coniferous swamp, hardwood swamp, shrub-carr, and alder thicket
Low Likelihood	-	4.1	-	-	Shallow marsh
No Effect	-	92.1	-	-	Minerotrophic and ombrotrophic coniferous bog and open bog
2,000 – 3,500 ft					
Low Likelihood	-	-	293.1	-	Coniferous swamp, hardwood swamp, sedge/wet meadow, shrub-carr, and alder thicket
No Effect	-	-	868.9	-	Minerotrophic and ombrotrophic coniferous bog and open bog and shallow marsh
3,500 – 10,000 ft					
No Effect	-	-	-	2,718.3	All wetland types
Total Acres of Wetland	1,328.0	618.6	1,162.0	2,718.3	

Source: PolyMet 2015b